



FED. SUP CLASS  
4730

REVIEWER: CS-EL-ME  
USER: AT-MC-YD

DASH NUMBER		TUBE OD	B	C <sub>2</sub>	D		G <sub>1</sub>	H <sub>1</sub>	I <sub>1</sub>	L <sub>4</sub>
			STRAIGHT THREAD	HEX FLAT NOM	DIAMETER					
BODY	*ASSY	NOM			BASIC	TOLERANCE	+ .002 - .003	+ .010 - .000	± .020	± .020
B2	A2	1/8	5/16-24 UNF-2A	9/16	.062		.250	.125	1.110	1.870
B3	A3	3/16	3/8-24 UNF-2A	5/8	.125		.313	.131	1.110	1.900
B4	A4	1/4	7/16-20 UNF-2A	11/16	.172	± .003	.364	.140	1.200	2.070
B5	A5	5/16	1/2-20 UNF-2A	3/4	.234		.427	.140	1.200	2.070
B6	A6	3/8	9/16-18 UNF-2A	13/16	.297		.482	.156	1.280	2.180
B8	A8	1/2	3/4-16 UNF-2A	1	.391	± .004	.660	.187	1.440	2.440
B10	A10	5/8	7/8-14 UNF-2A	1-1/8	.484		.773	.219	1.580	2.740
B12	A12	3/4	1-1/16-12 UN-2A	1-3/8	.609		.945	.234	1.750	3.090
B14	A14	7/8	1-3/16-12 UN-2A	1-1/2	.718	± .005	1.070	.234	1.750	3.120
B16	A16	1	1-5/16-12 UN-2A	1-5/8	.844	+ .007- .005	1.195	.234	1.750	3.140
B20	A20	1-1/4	1-5/8-12 UN-2A	1-7/8	1.078	+ .008- .005	1.507	.234	1.800	3.310
B24	A24	1-1/2	1-7/8-12 UN-2A	2-1/8	1.312		1.756	.234	1.810	3.520
B32	A32	2	2-1/2-12 UN-2A	2-3/4	1.781	+ .010- .005	2.381	.234	2.090	4.200

**NOTES:**

- MATERIAL:** Steel, carbon in accordance with procurement specification.  
Steel, corrosion-resisting in accordance with procurement specification.
- PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.  
Zinc plated in accordance with procurement specification.  
Phosphate coating in accordance with procurement specification.  
Passivation treatment in accordance with procurement specification.
- DIMENSIONS AND TOLERANCE:** Dimensions and tolerances not shown shall be in accordance with the SAE Standard for 37 Degree Flared Fittings (SAE J514).
- THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H28.
- PART NUMBER:** The MS part number consists of the MS number plus the dash number.
  - For body only, cadmium plated, use the MS number, plus the body dash number. Example: MS51520B2.
  - For complete assembly (with nuts and sleeves), cadmium plated, use the MS number, plus the assembly dash number. Example: MS51520A2.
  - For zinc coating add (Z) to the dash number. Example: MS51520B2Z or MS51520A2Z.
  - For phosphate coating add (P) to the dash number. Example: MS51520B2P or MS51520A2P.
  - For corrosion-resisting steel add (S) to the dash number. Example: MS51520B2S or MS51520A2S.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Reference documents shall be of the issue in effect on date of invitations for bid.
- The illustration is for identification purpose only and is not intended to restrict designs and shapes not dimensioned.
- Procure O-Rings separately and install immediately before installation of fitting.
- After 17 January 1979 bodies will be used for production only and SHALL NOT be stocked for maintenance. Existing stock of bodies should be used until depleted.

APPROVED 89 NOV 1979 / 17 JANUARY 1979 REVISED

P.A. AR Other Cont OS	TITLE  NIPPLE, TUBE, BULKHEAD, 37° FLARED	MILITARY STANDARD  MS51520
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES:	SHEET 1 OF 1